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PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION   US/09/557,823 CENTER 1600/2900

DATE: 07/25/2000
TIME: 02:08:06

INPUT SET: S35718.raw

> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

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```
 1                            SEQUENCE LISTING
 2
 3    (1)    General Information:
 4
 5        (i) APPLICANTS: Bucala, Richard J. et al.
 6
 7       (ii) TITLE OF INVENTION: Inhibition of Migration Inhibitory Factor in the Treat
 8                Cytokine-Mediated Toxicity
 9
10      (iii) NUMBER OF SEQUENCES: 17
11
12       (iv) CORRESPONDENCE ADDRESS:
13            (A) ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
14            (B) STREET: 2600 Century Square, 1501 Fourth Avenue
15            (C) CITY: Seattle
16            (D) STATE: WA
17            (E) COUNTRY: U.S.A.
18            (F) ZIP: 98101-1688
19
20        (v) COMPUTER READABLE FORM:
21            (A) MEDIUM TYPE: Floppy disk
22            (B) COMPUTER: IBM PC compatible
23            (C) OPERATING SYSTEM: Windows95
24            (D) SOFTWARE: Word
25
26       (vi) CURRENT APPLICATION DATA:
27            (A) APPLICATION NUMBER: to be assigned
28            (B) FILING DATE: 24 April 2000
29            (C) CLASSIFICATION:
30
31    (viii) ATTORNEY/AGENT INFORMATION:
32            (A) NAME: Oster, Jeffrey B.
33            (B) REGISTRATION NUMBER: 32,585
34            (C) REFERENCE/DOCKET NUMBER: 0203H
35
36       (ix) TELECOMMUNICATION INFORMATION:
37            (A) TELEPHONE: 206 628-7711
38            (B) TELEFAX: 206 628-7699
39
40
41    (2) INFORMATION FOR SEQ ID NO:1:
42
43        (i) SEQUENCE CHARACTERISTICS:
44            (A) LENGTH: 348 base pairs
45            (B) TYPE: nucleic acid
46            (C) STRANDEDNESS: single
```

```
47              (D) TOPOLOGY: unknown
48
49       (ii) MOLECULE TYPE: DNA
50
51       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
52
53  ATGCCTATGT TCATCGTGAA CACCAATGTT CCCCGCGCCT CCGTGCCAGA GGGGTTTCTG          60
54
55  TCGGAGCTCA CCCAGCAGCT GGCGCAGGCC ACCGGCAAGC CCGCACAGTA CATCGCAGTG         120
56
57  CACGTGGTCC CGGACCAGCT CATGACTTTT AGCGGCACGA ACGATCCCTG CGCCCTCTGC         180
58
59  AGCCTGCACA GCATCGGCAA GATCGGTGGT GCCCAGAACC GCAACTACAG TAAGCTGCTG         240
60
61  TGTGGCCTGC TGTCCGATCG CCTGCACATC AGCCCGGACC GGGTCTACAT CAACTATTAC         300
62
63  GACATGAACG CTGCCAACGT GGGCTGGAAC GGTTCCACCT TCGCTTGA                      348
64
65
66  (2) INFORMATION FOR SEQ ID NO:2:
67
68          (i) SEQUENCE CHARACTERISTICS:
69              (A) LENGTH: 348 base pairs
70              (B) TYPE: nucleic acid
71              (C) STRANDEDNESS: single
72              (D) TOPOLOGY: unknown
73
74       (ii) MOLECULE TYPE: DNA
75
76       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
77
78  ATGCCGATGT TCATCGTAAA CACCAACGTG CCCCGCGCCT CCGTGCCGGA CGGGTTCCTC          60
79
80  TCCGAGCTCA CCCAGCAGCT GGCGCAGGCC ACCGGCAAGC CCCCCCAGTA CATCGCGGTG         120
81
82  CACGTGGTCC CGGACCAGCT CATGGCCTTC GGCGGCTCCA GCGAGCCGTG CGCGCTCTGC         180
83
84  AGCCTGCACA GCATCGGCAA GATCGGCGGC GCGCAGAACC GCTCCTACAG CAAGCTGCTG         240
85
86  TGCGGCCTGC TGGCCGAGCG CCTGCGCATC AGCCCGGACA GGGTCTACAT CAACTATTAC         300
87
88  GACATGAACG CGGCCAGTGT GGGCTGGAAC AACTCCACCT TCGCCTAA                      348
89
90
91  (2) INFORMATION FOR SEQ ID NO:3:
92
93          (i) SEQUENCE CHARACTERISTICS:
94              (A) LENGTH: 501 base pairs
95              (B) TYPE: nucleic acid
96              (C) STRANDEDNESS: single
97              (D) TOPOLOGY: unknown
98
99       (ii) MOLECULE TYPE: cDNA
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RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/557,823*
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100
101         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
102
103    CCATGCCTAT GTTCATCGTG AACACCAATG TTCCCCGCGC CTCCGTGCCA GAGGGGTTTC      60
104
105    TGTCGGAGCT CACCCAGCAG CTGGCGCAGG CCACCGGCAA GCCCGCACAG TACATCGCAG     120
106
107    TGCACGTGGT CCCGGACCAG CTCATGACTT TTAGCGGCAC GAACGATCCC TGCGCCCTCT     180
108
109    GCAGCCTGCA CAGCATCGGC AAGATCGGTG GTGCCCAGAA CCGCAACTAC AGTAAGCTGC     240
110
111    TGTGTGGCCT GCTGTCCGAT CGCCTGCACA TCAGCCCGGA CCGCTCCTAC AGCAAGCTGC     300
112
113    TGTGCGGCCT GCTGGCCGAG CGCCTGCGCA TCAGCCCGGA CCGGGTCTAC ATCAACTATT     360
114
115    ACGACATGAA CGCTGCCAAC GTGGGCTGGA ACGGTTCCAC CAGGGTCTAC ATCAACTATT     420
116
117    ACGACATGAA CGCGGCCAGT GTGGGCTGGA ACAACTCCAC CTTCGCTTGA GTCCTGGCCC     480
118
119    CACTTACCTG CACCGCTGTT C                                              501
120
121
122    (2) INFORMATION FOR SEQ ID NO:4:
123
124         (i) SEQUENCE CHARACTERISTICS:
125              (A) LENGTH: 115 amino acids
126              (B) TYPE: amino acid
127              (C) STRANDEDNESS: single
128              (D) TOPOLOGY: unknown
129
130         (ii) MOLECULE TYPE: peptide
131
132         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
133
134    Met Pro Met Phe Ile Val Asn Thr Asn Val Pro Arg Ala Ser Val Pro
135    1               5                   10                  15
136
137    Glu Gly Phe Leu Ser Glu Leu Thr Gln Gln Leu Ala Gln Ala Thr Gly
138              20                  25                  30
139
140    Lys Pro Ala Gln Tyr Ile Ala Val His Val Val Pro Asp Gln Leu Met
141          35                  40                  45
142
143    Thr Phe Ser Gly Thr Asn Asp Pro Cys Ala Leu Cys Ser Leu His Ser
144      50                  55                  60
145
146    Ile Gly Lys Ile Gly Gly Ala Gln Asn Arg Asn Tyr Ser Lys Leu Leu
147    65                  70                  75                  80
148
149    Cys Gly Leu Leu Ser Asp Arg Leu His Ile Ser Pro Asp Arg Val Tyr
150                  85                  90                  95
151
152    Ile Asn Tyr Tyr Asp Met Asn Ala Ala Asn Val Gly Trp Asn Gly Ser
```

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RAW SEQUENCE LISTING
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```
153                        100                 105                 110
154
155        Thr Phe Ala
156                115
157
158
159   (2) INFORMATION FOR SEQ ID NO:5:
160
161       (i) SEQUENCE CHARACTERISTICS:
162           (A) LENGTH: 115 amino acids
163           (B) TYPE: amino acid
164           (C) STRANDEDNESS: single
165           (D) TOPOLOGY: unknown
166
167   (ii) MOLECULE TYPE: peptide
168
169   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
170
171   Met Pro Met Phe Ile Val Asn Thr Asn Val Pro Arg Ala Ser Val Pro
172   1               5                   10                  15
173
174   Asp Gly Phe Leu Ser Glu Leu Thr Gln Gln Leu Ala Gln Ala Thr Gly
175               20                  25                  30
176
177   Lys Pro Pro Gln Tyr Ile Ala Val His Val Val Pro Asp Gln Leu Met
178           35                  40                  45
179
180   Ala Phe Gly Gly Ser Ser Glu Pro Cys Ala Leu Cys Ser Leu His Ser
181       50                  55                  60
182
183   Ile Gly Lys Ile Gly Gly Ala Gln Asn Arg Ser Tyr Ser Lys Leu Leu
184   65                  70                  75                  80
185
186   Cys Gly Leu Leu Ala Glu Arg Leu Arg Ile Ser Pro Asp Arg Val Tyr
187                   85                  90                  95
188
189   Ile Asn Tyr Tyr Asp Met Asn Ala Ala Asn Val Gly Trp Asn Asn Ser
190               100                 105                 110
191
192   Thr Phe Ala
193           115
194
195
196   (2) INFORMATION FOR SEQ ID NO:6:
197
198       (i) SEQUENCE CHARACTERISTICS:
199           (A) LENGTH: 9 amino acids
200           (B) TYPE: amino acid
201           (C) STRANDEDNESS: single
202           (D) TOPOLOGY: unknown
203
204   (ii) MOLECULE TYPE: peptide
205
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```
206        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
207
208        Ala Lys Lys Gly Ala Val Gly Gly Ile
209        1               5
210
211
212   (2) INFORMATION FOR SEQ ID NO:7:
213
214        (i) SEQUENCE CHARACTERISTICS:
215              (A) LENGTH: 17 amino acids
216              (B) TYPE: amino acid
217              (C) STRANDEDNESS: single
218              (D) TOPOLOGY: unknown
219
220        (ii) MOLECULE TYPE: peptide
221
222        (ix) FEATURE:
223              (A) NAME/KEY: Peptide
224              (B) LOCATION: 15
225              (D) OTHER INFORMATION: /label= X
226                    /note= "X = Asn or Gly"
227
228        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
229
230        Ile Xaa His Asn Thr Val Ala Thr Glu Ile Ser Gly Tyr Asn Xaa Ala
231        1               5               10              15
232
233        Met
234
235
236   (2) INFORMATION FOR SEQ ID NO:8:
237
238        (i) SEQUENCE CHARACTERISTICS:
239              (A) LENGTH: 27 base pairs
240              (B) TYPE: nucleic acid
241              (C) STRANDEDNESS: single
242              (D) TOPOLOGY: unknown
243
244        (ii) MOLECULE TYPE: DNA
245
246        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
247
248   CCATATGCCG ATGTTCATCG TAAACAC                                27
249
250
251   (2) INFORMATION FOR SEQ ID NO:9:
252
253        (i) SEQUENCE CHARACTERISTICS:
254              (A) LENGTH: 26 base pairs
255              (B) TYPE: nucleic acid
256              (C) STRANDEDNESS: single
257              (D) TOPOLOGY: unknown
258
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/09/557,823*

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Line	Error	Original Text
27	Wrong application Serial Number	(A) APPLICATION NUMBER: to be assigned